

Amendments to the Claims (if any):

No claims have been amended herein. Please note that all claims currently pending and under consideration in the referenced application are shown below. This listing of claims will replace all prior versions and listings of claims in the application.

LISTING OF CLAIMS

1. (Original) A wireless communication system comprising:
 - a first transceiver;
 - a second transceiver;
 - a third transceiver in communication with the first transceiver; and
 - a controller configured to effectuate a soft handoff from the first transceiver to the second transceiver using a set of optimum parameters that are determined based on a current position of the third transceiver.
2. (Original) The system of claim 1 wherein the controller is further configured to determine the current position of the third transceiver.
3. (Original) The system of claim 2, wherein the current position includes a position of a sector within a cell coverage area.
4. (Original) The system of claim 1 wherein the set of optimum parameters includes a set of optimum system-access parameters and a set of optimum soft-handoff parameters.
5. (Original) The system of claim 4 wherein the controller is further configured to determine the set of optimum soft-handoff parameters.
6. (Original) The system of claim 4 wherein the controller is further configured to determine the set of optimum system-access parameters.
7. (Original) A mobile unit comprising:

a receiver unit configured to receive a set of optimum system-access parameters determined based on a current position of the mobile unit; and

a controller configured to control the mobile unit based on the received set of optimum system-access parameters.

8. (Original) A mobile unit comprising:

a receiver unit configured to receive a set of optimum soft-handoff parameters determined based on a current position of the mobile unit; and

a controller configured to effectuate a soft handoff from a first base station to a second base station based on the received set of optimum soft-handoff parameters.

9. (Original) The mobile unit of claim 8 wherein the controller is further configured to determine the current position of the mobile unit.

10. (Original) The mobile unit of claim 9 wherein the current position includes a position of a cell coverage area.

11. (Original) The mobile unit of claim 9 wherein the current position includes a position of a sector within a cell coverage area.

12. (Original) The mobile unit of claim 8 wherein the receiver unit is further configured to receive a set of optimum system-access parameters determined based on the current position of the mobile unit.

13. (Original) The mobile unit of claim 12 further comprising means for controlling the performance of the mobile unit based on the received set of optimum system access parameters.

14. (Original) A base station comprising:

a transmitter unit configured to transmit a set of optimum system-access parameters determined based on a current position of a mobile unit; and

a controller configured to control the mobile unit based on the set of optimum system-access parameters.

15. (Original) A base station comprising:

a transmitter unit configured to transmit to the mobile unit a set of optimum soft-handoff parameters determined based on a current position of the mobile unit in a first coverage area; and
a controller configured to effectuate a soft handoff from the first coverage area to a second coverage area based on the set of optimum soft-handoff parameters.

16. (Original) The base station of claim 15 wherein the controller is further configured to determine the current position of the mobile unit in the first coverage area.

17. (Original) The base station of claim 15 wherein the first coverage area includes a cell coverage area.

18. (Original) The base station of claim 15 wherein the first coverage area includes a sector within a cell coverage area.

19. (Original) The base station of claim 15 wherein the controller is further configured to determine the set of soft-handoff parameters.

20. (Original) The base station of claim 15 wherein the transmitter unit is further configured to transmit a set of optimum system-access parameters determined based on the current position of the mobile unit in a first coverage area.

21. (Original) The base station of claim 20 wherein the controller is further configured to control the performance of the mobile unit based on the set of optimum system-access parameters.

22. (Original) The base station of claim 21 wherein the controller is further configured to determine the set of optimum soft-handoff parameters and a set of optimum system-access parameters.

23. (Original) A method for effectuating soft handoff, comprising:
determining a current position of a mobile unit in a first coverage area;
determining a set of optimum parameters based on the current position of the mobile unit; and
effectuating a soft handoff from the first coverage area to a second coverage area using
the set of optimum parameters.

24. (Original) The method of claim 23 wherein the determining the set of optimum parameters includes determining a set of optimum system-access parameters and determining a set of optimum soft-handoff parameters.

25 – 31 (Withdrawn)

32. (Original) A computer readable medium embodying a method for effectuating soft handoff, the method comprising:
determining a current position of a mobile unit in a first coverage area;
determining a set of optimum parameters based on the current position of the mobile unit; and
effectuating a soft handoff from the first coverage area to a second coverage area using
the set of optimum parameters.

33 - 34. (Withdrawn)

35. (Original) An apparatus for effectuating soft handoff, comprising:
means for determining a current position of a mobile unit in a first coverage area;
means for determining a set of optimum parameters based on the current position of the mobile unit; and
means for effectuating a soft handoff from the first coverage area to a second coverage area using the set of optimum parameters.

36. (Original) An apparatus for effectuating soft handoff, comprising:
a memory unit; and
a digital signal processing (DSP) unit communicatively coupled to the memory unit, the
DSP being capable of:
determining a current position of a mobile unit in a first coverage area;
determining a set of optimum parameters based on the current position of the mobile unit; and
effectuating a soft handoff from the first coverage area to a second coverage area using
the set of optimum parameters.

37 - 44. (Withdrawn)